

IN THE CLAIMS



Please amend claims 1, 4, 8, 9, 12, 20 and 25, as follows:

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11
1. (Twice Amended) A method for damping vibration induced by rolls forming a nip in a paper machine or in a paper finishing device by means of a dynamic damper which comprises the steps of suspending a selected weight from a vibrating system by means of a spring, changing the spring constant of the spring of the dynamic damper and/or the mass of the dynamic damper by means of a control device in order to tune the natural frequency of the dynamic damper, whereby the vibration induced by rolls which are in nip contact is damped by means of the dynamic damper so that the damper is tuned to a frequency that is substantially equal to a multiple of the rotational frequency of the roll that is closest to the natural frequency of the vibrating system, or to a frequency that substantially corresponds to the problematic excitation frequency of the vibrating system.

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CLAIM 1 WITH AMENDMENTS SHOWN:

1. (Twice Amended) A method for damping vibration induced by rolls forming a nip in a paper machine or in a paper finishing device by means of a dynamic damper which comprises the steps of suspending a[n additional] selected weight [suspended] from a vibrating system by means of a spring, changing the spring constant of the spring of the dynamic damper and/or the mass of the dynamic damper by means of a control device in order to tune the natural frequency of the dynamic damper, whereby the vibration induced by rolls which are in nip contact is damped by means of the dynamic damper so that the damper is tuned to a frequency that is substantially equal to a multiple of the rotational frequency of the roll that is closest to the natural frequency of the vibrating system, or to a frequency that substantially corresponds to the problematic excitation frequency of the vibrating system.

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(13) 4. (Twice Amended) A method as claimed in claim 3, wherein when the desired tuning frequency of the dynamic damper has been obtained, the selected weight is locked in place on the rod by means of a locking means.

CLAIM 4 WITH AMENDMENTS SHOWN:



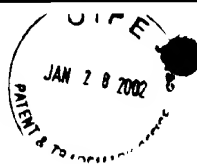
4. (Twice Amended) A method as claimed in claim 3, wherein when the desired tuning frequency of the dynamic damper has been obtained [made as desired], the [additional] selected weight is locked in place on the rod by means of a locking means.

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8. (Twice Amended) A method as claimed in claim 7, wherein the temperature of the rod is regulated by means of heaters.

CLAIM 8 WITH AMENDMENTS SHOWN:



8. (Twice Amended) A method as claimed in claim 7, wherein the temperature of the rod is regulated by means of [electric resistors or equivalent] heaters.

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5 1 9 (Twice Amended) An apparatus for damping vibration induced by rolls forming a nip in a paper machine or in a paper finishing device by means of a dynamic damper which comprises a selected weight suspended from a vibrating system by means of a spring, said apparatus further comprising a control device which is arranged to change the spring constant of the spring of the dynamic damper and/or the mass of the dynamic damper in order to tune the natural frequency of the dynamic damper, wherein the apparatus is fitted to dampen the vibration induced by rolls forming a nip such that the control device is arranged to tune the damper to a frequency that is substantially equal to a multiple of the rotational frequency of the roll that is closest to the natural frequency of the vibrating system, or to a frequency that substantially corresponds to the problematic excitation frequency of the vibrating system.

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CLAIM 9 WITH AMENDMENTS SHOWN:



9. (Twice Amended) *An apparatus for damping vibration induced by rolls forming a nip in a paper machine or in a paper finishing device by means of a dynamic damper which comprises a[n additional] selected weight suspended from a vibrating system by means of a spring, said apparatus further comprising a control device which is arranged to change the spring constant of the spring of the dynamic damper and/or the mass of the dynamic damper in order to tune the natural frequency of the dynamic damper, wherein the apparatus is fitted to dampen the vibration induced by rolls forming a nip such that the control device is arranged to tune the damper to a frequency that is substantially equal to a multiple of the rotational frequency of the roll that is closest to the natural frequency of the vibrating system, or to a frequency that substantially corresponds to the problematic excitation frequency of the vibrating system.*

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12. (Twice Amended) An apparatus as claimed in claim 11, wherein a locking means is mounted on the rod serving as the spring of the damper in order to lock the selected weight in place when the desired tuning frequency of the damper has been obtained.

CLAIM 12 WITH AMENDMENTS SHOWN:



12. (Twice Amended) An apparatus as claimed in claim 11, wherein a locking means is mounted on the rod serving as the spring of the damper in order to lock the [additional] selected weight in place when the desired tuning frequency of the damper has been obtained [made as desired].

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20. (Twice Amended) An apparatus as claimed in claim 9, wherein the control device comprises a stepping motor in order to change the location of the mass of the dynamic damper.

CLAIM 20 WITH AMENDMENTS SHOWN:



20. *(Twice Amended)* An apparatus as claimed in claim 9, wherein the control device comprises a stepping motor [or equivalent] in order to change the location of the mass of the dynamic damper.

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25. (Twice Amended) An apparatus as claimed in claim 24, wherein, in order to regulate the temperature of the rod, the apparatus is provided with heaters.

CLAIM 25 WITH AMENDMENTS SHOWN:



25. *(Twice Amended)* An apparatus as claimed in claim 24, wherein, in order to regulate the temperature of the rod, the apparatus is provided with [electric resistors or equivalent] heaters.

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